Figure 15

A)

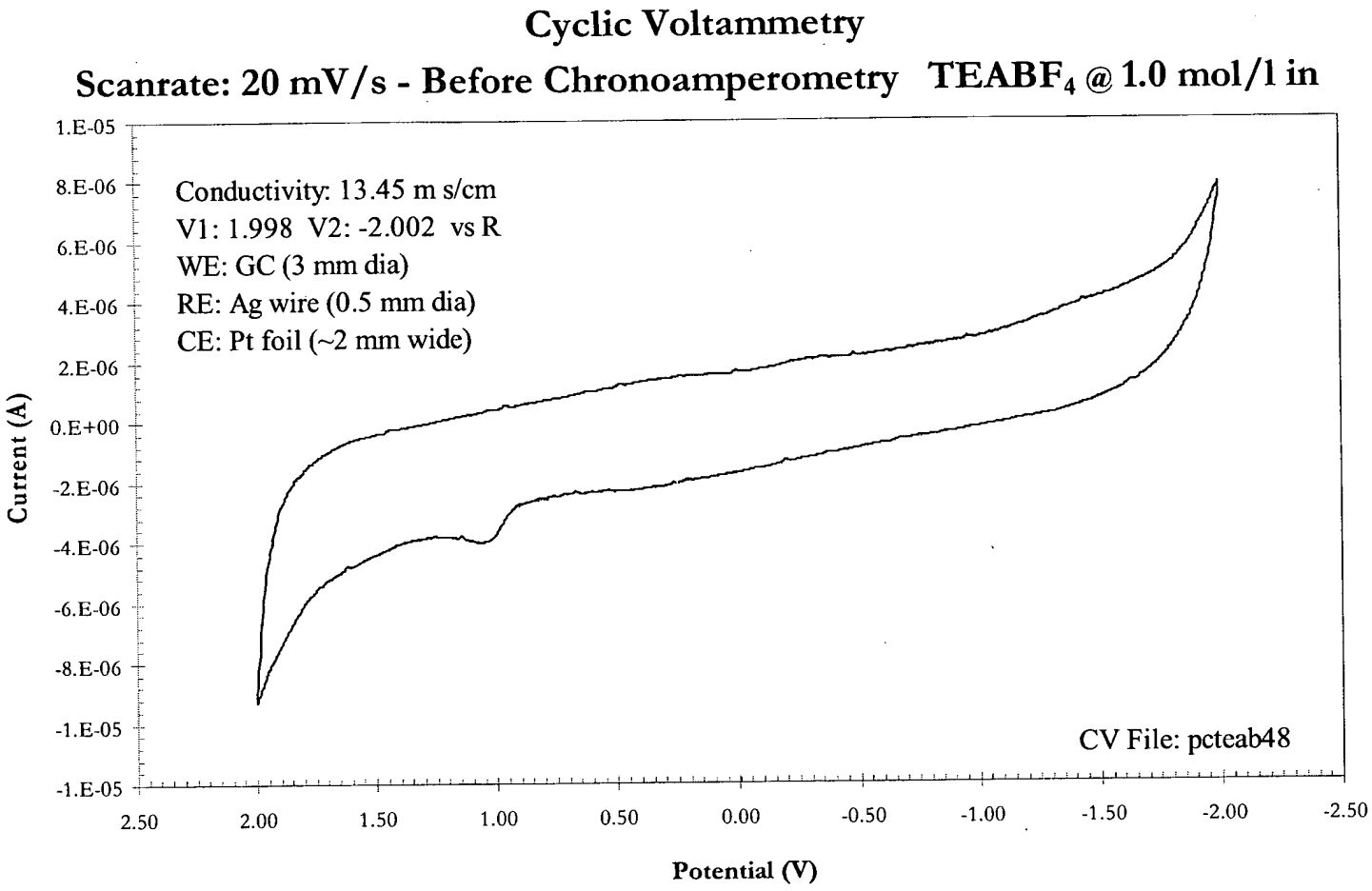

Cyclic Voltammetry
Scanrate: 20 mV/s - Before Chronoamperometry TEABF4 @ 1.0 mol/l in
Conductivity: 13.45 m s/cm
V1: 1.998 V2: -2.002 vs R
WE: GC (3 mm dia)
RE: Ag wire (0.5 mm dia)
CE: Pt foil (~2 mm wide)
CV File: pcteab48
Current (A)
1.E-05
8.E-06
6.E-06
4.E-06
2.E-06
0.E+00
-2.E-06
-4.E-06
-6.E-06
-8.E-06
-1.E-05
-1.E-05
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
Potential (V)

Figure 15

B)

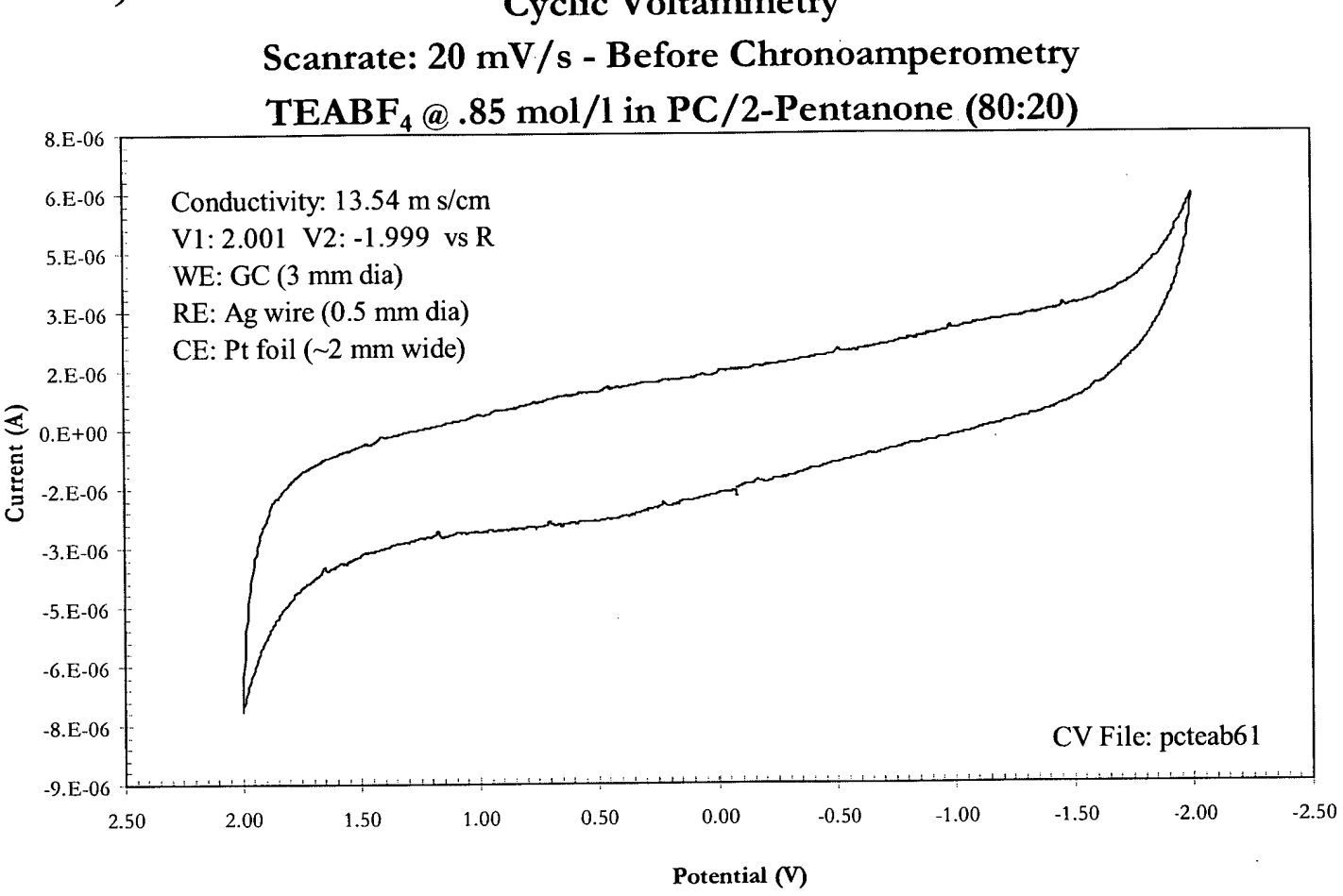

Cyclic Voltammetry
Scanrate: 20 mV/s - Before Chronoamperometry
TEABF4 @ .85 mol/l in PC/2-Pentanone (80:20)
Conductivity: 13.54 m s/cm
V1: 2.001 V2: -1.999 vs R
WE: GC (3 mm dia)
RE: Ag wire (0.5 mm dia)
CE: Pt foil (~2 mm wide)
CV File: pcteab61
Current (A)
8.E-06
6.E-06
5.E-06
3.E-06
2.E-06
0.E+00
-2.E-06
-3.E-06
-5.E-06
-6.E-06
-8.E-06
-9.E-06
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
Potential (V)

Figure 15

C)

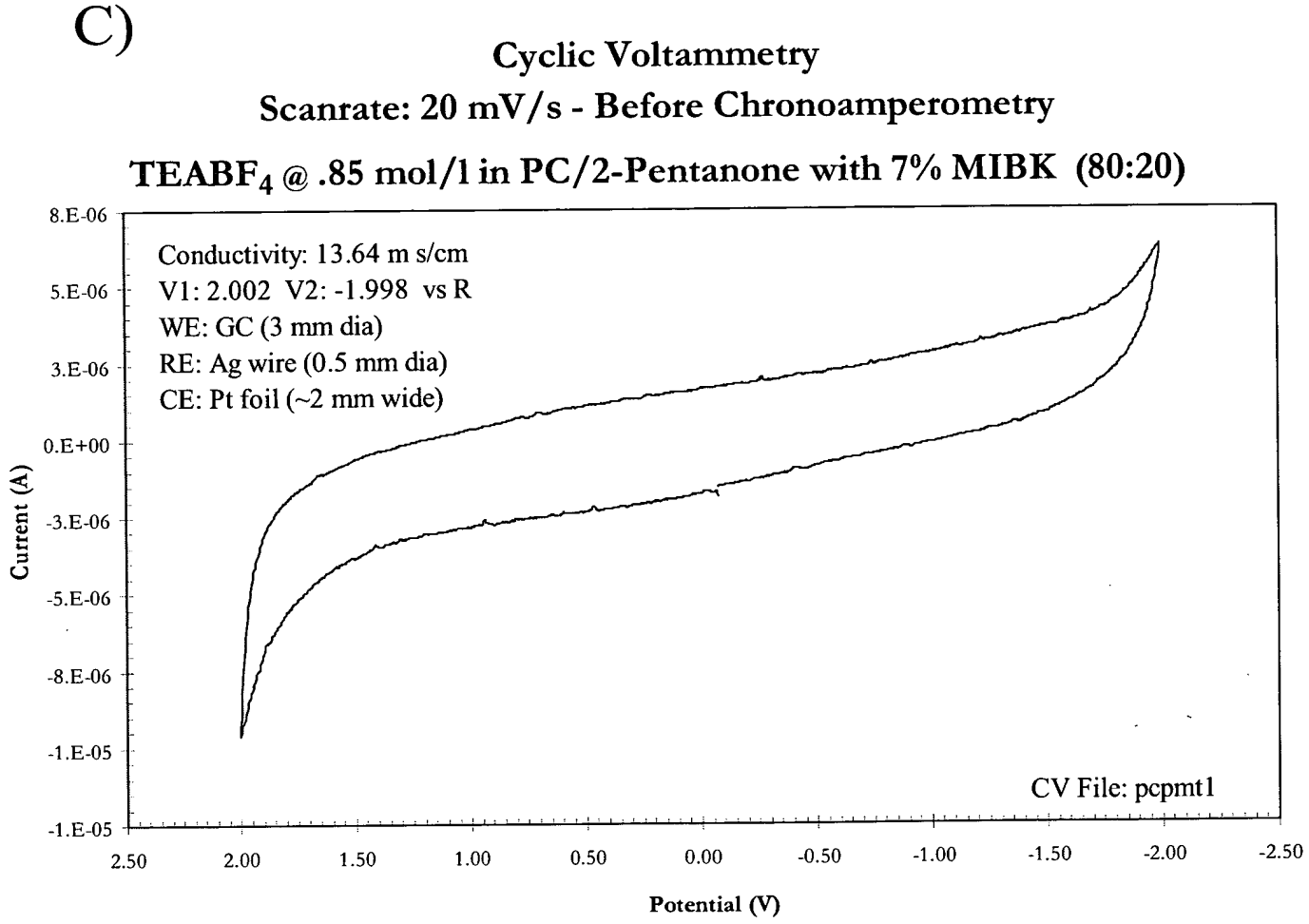

Cyclic Voltammetry
Scanrate: 20 mV/s - Before Chronoamperometry
TEABF4 @ .85 mol/1 in PC/2-Pentanone with 7% MIBK (80:20)
Conductivity: 13.64 m s/cm
V1: 2.002 V2: -1.998 vs R
WE: GC (3 mm dia)
RE: Ag wire (0.5 mm dia)
CE: Pt foil (~2 mm wide)
CV File: pcpmt1
Current (A)
8.E-06
5.E-06
3.E-06
0.E+00
-3.E-06
-5.E-06
-8.E-06
-1.E-05
-1.E-05
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
Potential (V)

Figure 16

A)

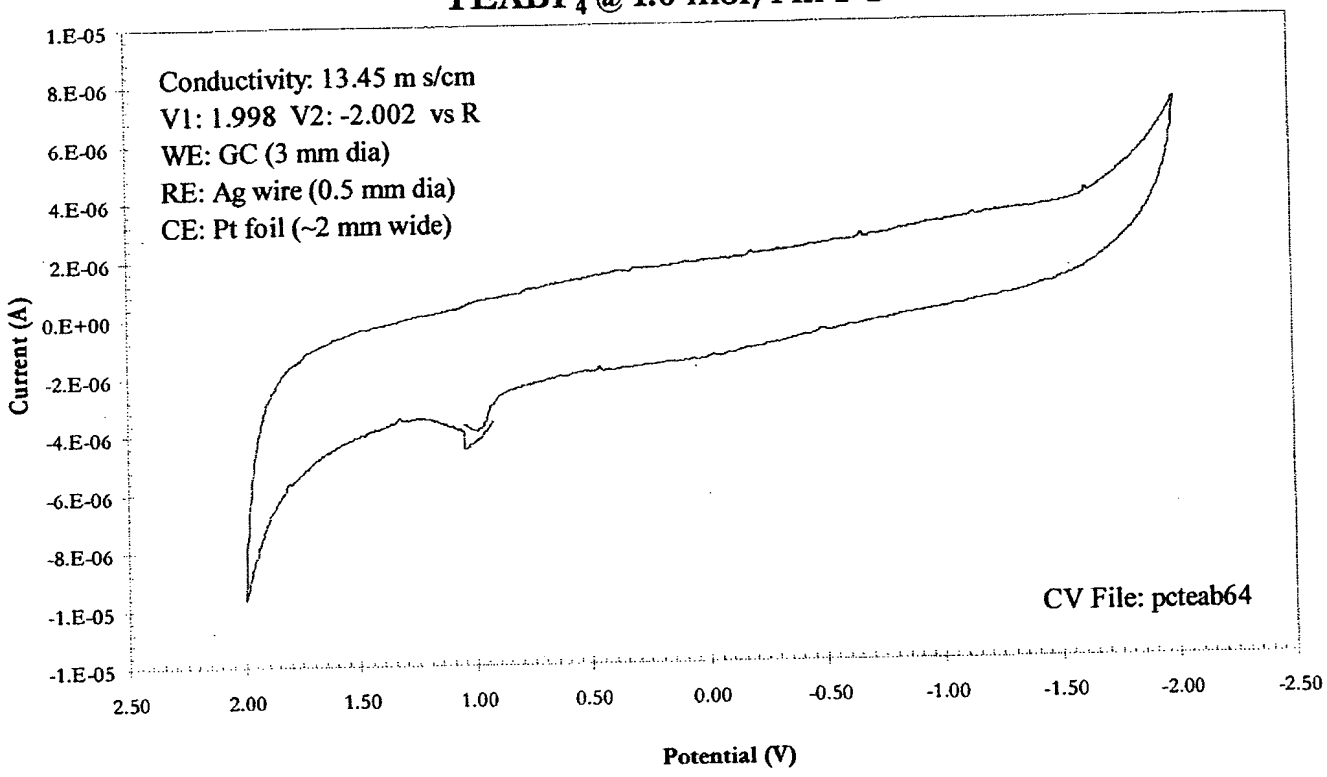


Figure 16

B)

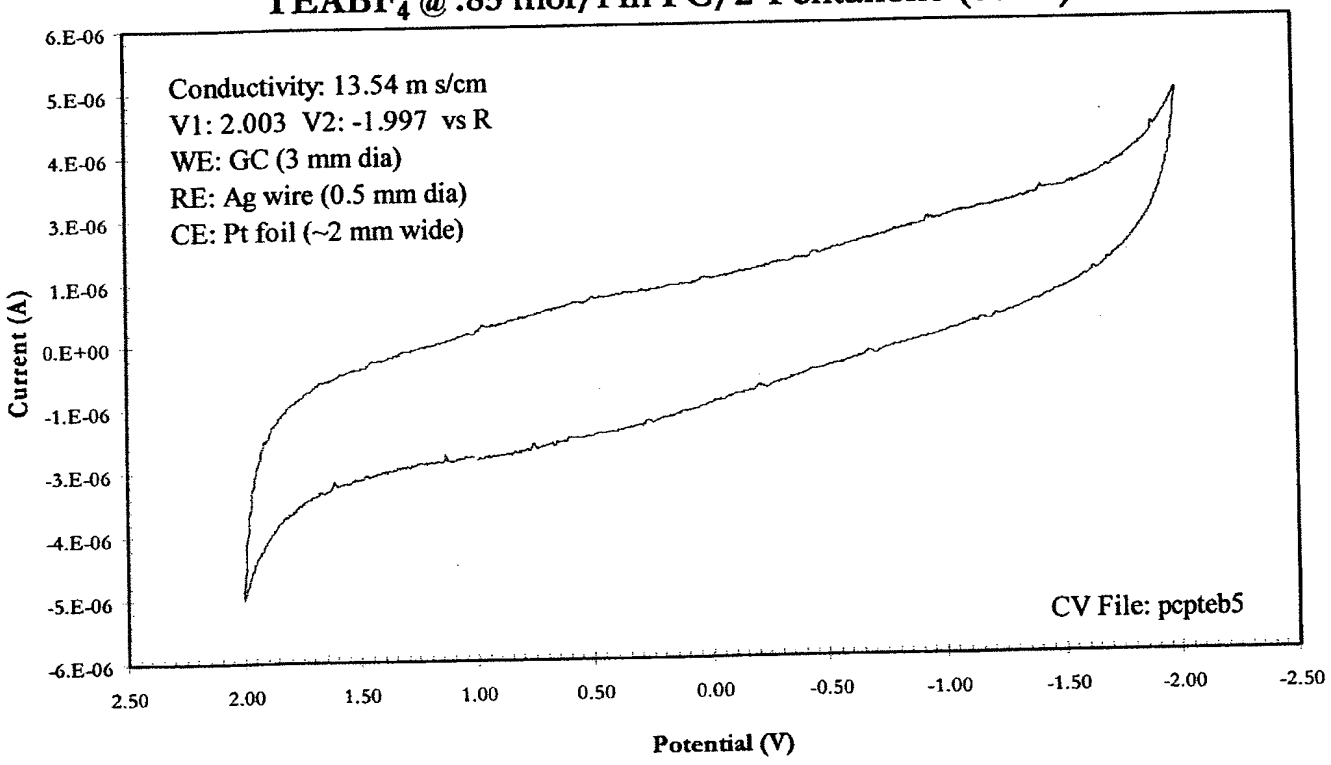

Cyclic Voltammetry
Scanrate: 20 mV/s - After Chronoamperometry at + 1.50 v
TEABF4 @ .85 mol/1 in PC/2-Pentanone (80:20)
Conductivity: 13.54 m s/cm
V1: 2.003 V2: -1.997 vs R
WE: GC (3 mm dia)
RE: Ag wire (0.5 mm dia)
CE: Pt foil (~2 mm wide)
CV File: pcpteb5
Current (A)
6.E-06
5.E-06
4.E-06
3.E-06
1.E-06
0.E+00
-1.E-06
-3.E-06
-4.E-06
-5.E-06
-6.E-06
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
Potential (V)

Figure 16

C)

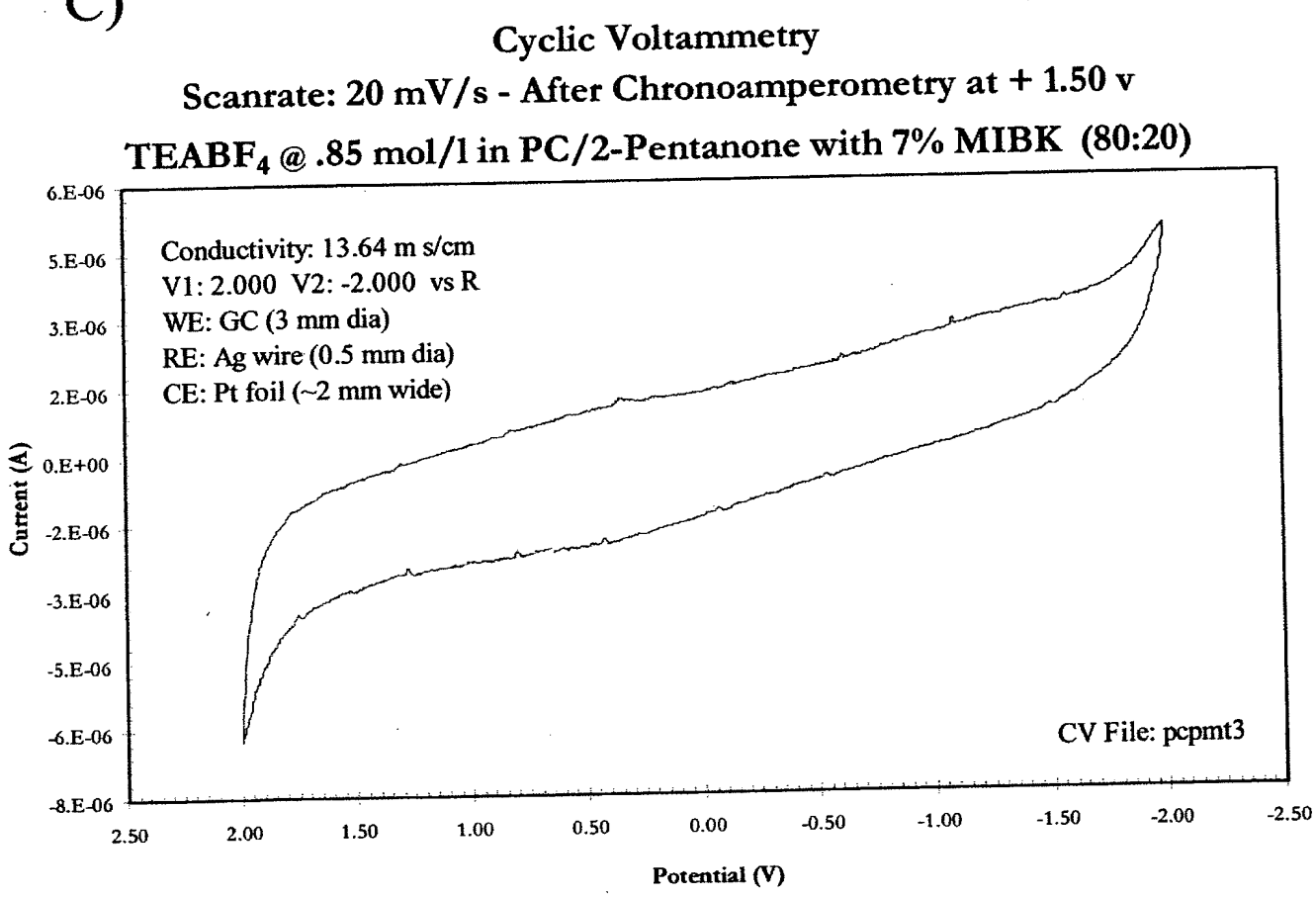

Cyclic Voltammetry
Scanrate: 20 mV/s - After Chronoamperometry at + 1.50 v
TEABF4 @ .85 mol/l in PC/2-Pentanone with 7% MIBK (80:20)
Conductivity: 13.64 m s/cm
V1: 2.000 V2: -2.000 vs R
WE: GC (3 mm dia)
RE: Ag wire (0.5 mm dia)
CE: Pt foil (~2 mm wide)
CV File: pcpmt3
Current (A)
6.E-06
5.E-06
3.E-06
2.E-06
0.E+00
-2.E-06
-3.E-06
-5.E-06
-6.E-06
-8.E-06
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
Potential (V)

Figure 17

A)

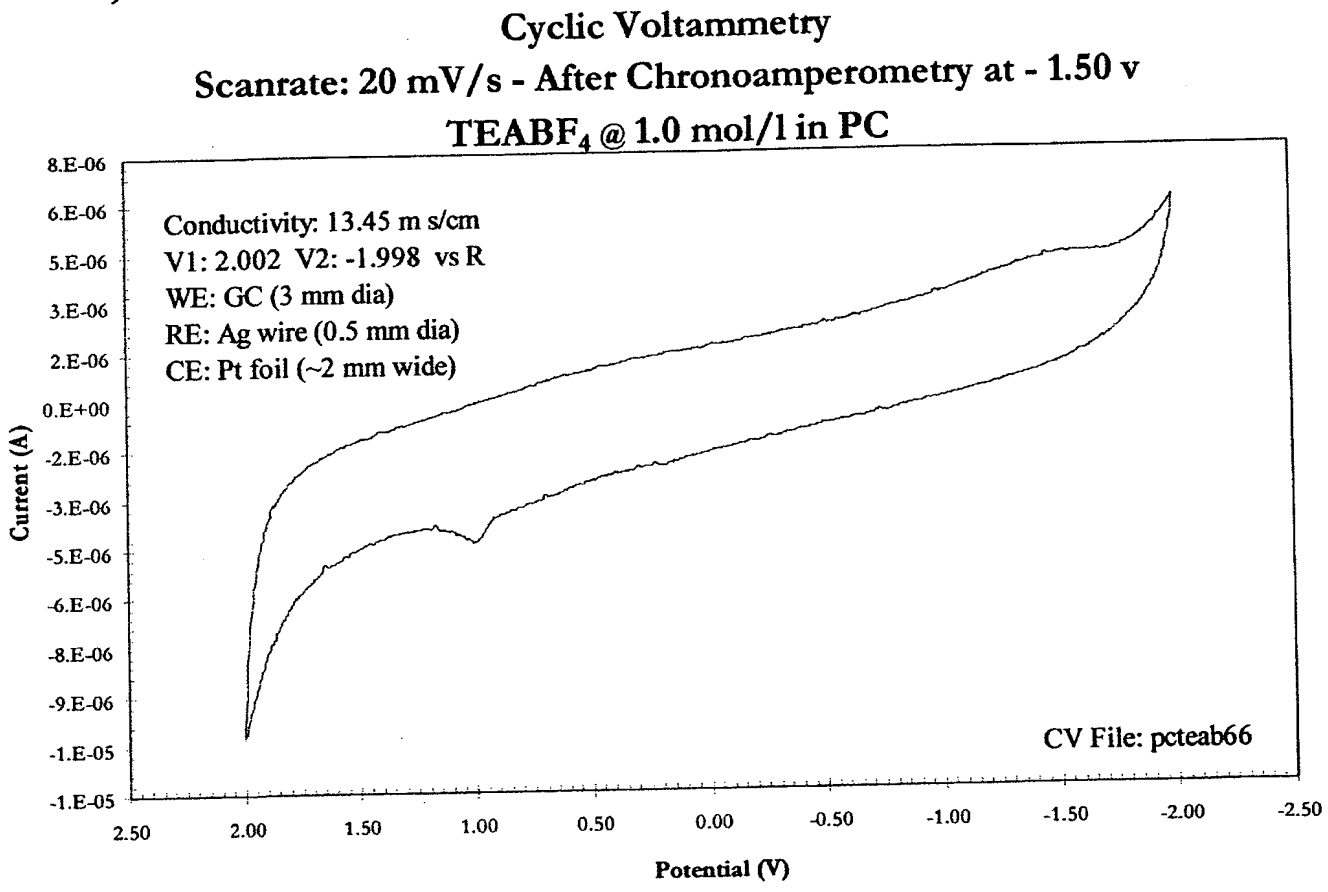

Cyclic Voltammetry
Scanrate: 20 mV/s - After Chronoamperometry at - 1.50 v
TEABF4 @ 1.0 mol/l in PC
Conductivity: 13.45 m s/cm
V1: 2.002 V2: -1.998 vs R
WE: GC (3 mm dia)
RE: Ag wire (0.5 mm dia)
CE: Pt foil (~2 mm wide)
CV File: pcteab66
Current (A)
8.E-06
6.E-06
5.E-06
3.E-06
2.E-06
0.E+00
-2.E-06
-3.E-06
-5.E-06
-6.E-06
-8.E-06
-9.E-06
-1.E-05
-1.E-05
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
Potential (V)

Figure 17

B)

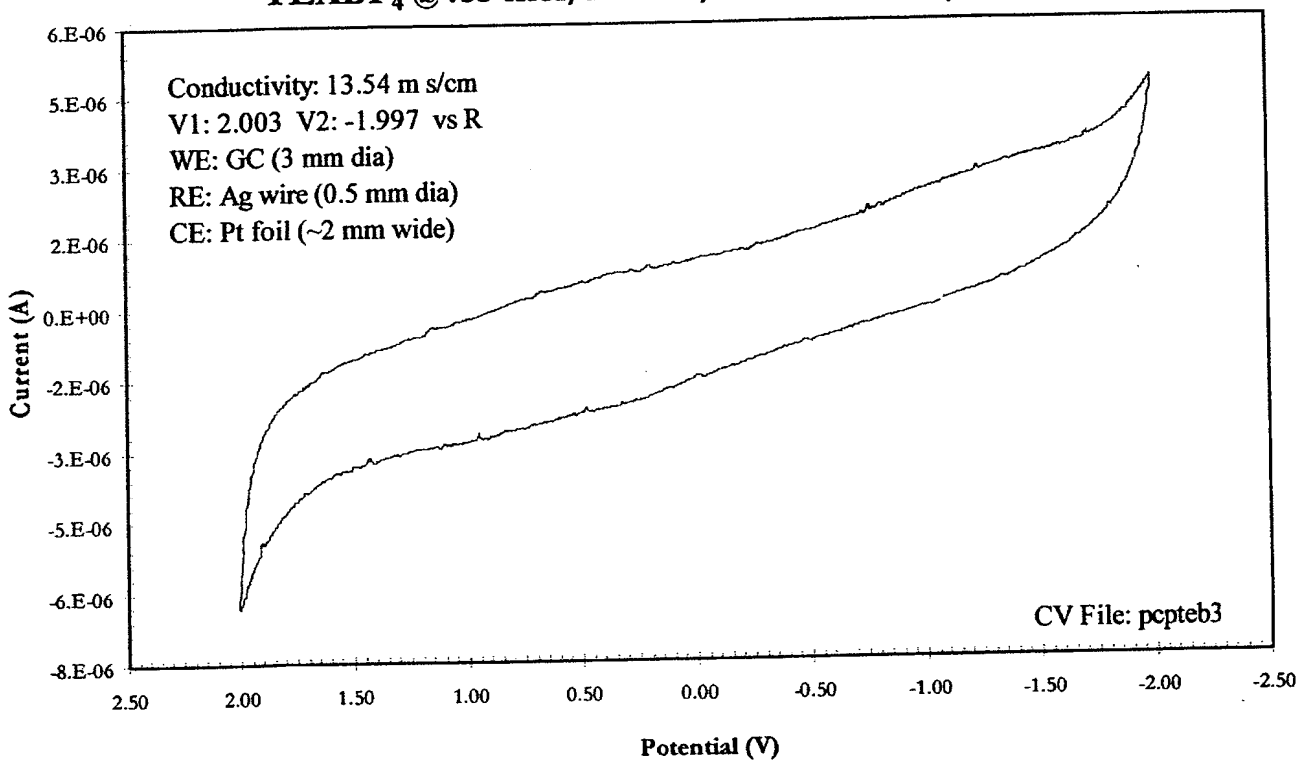
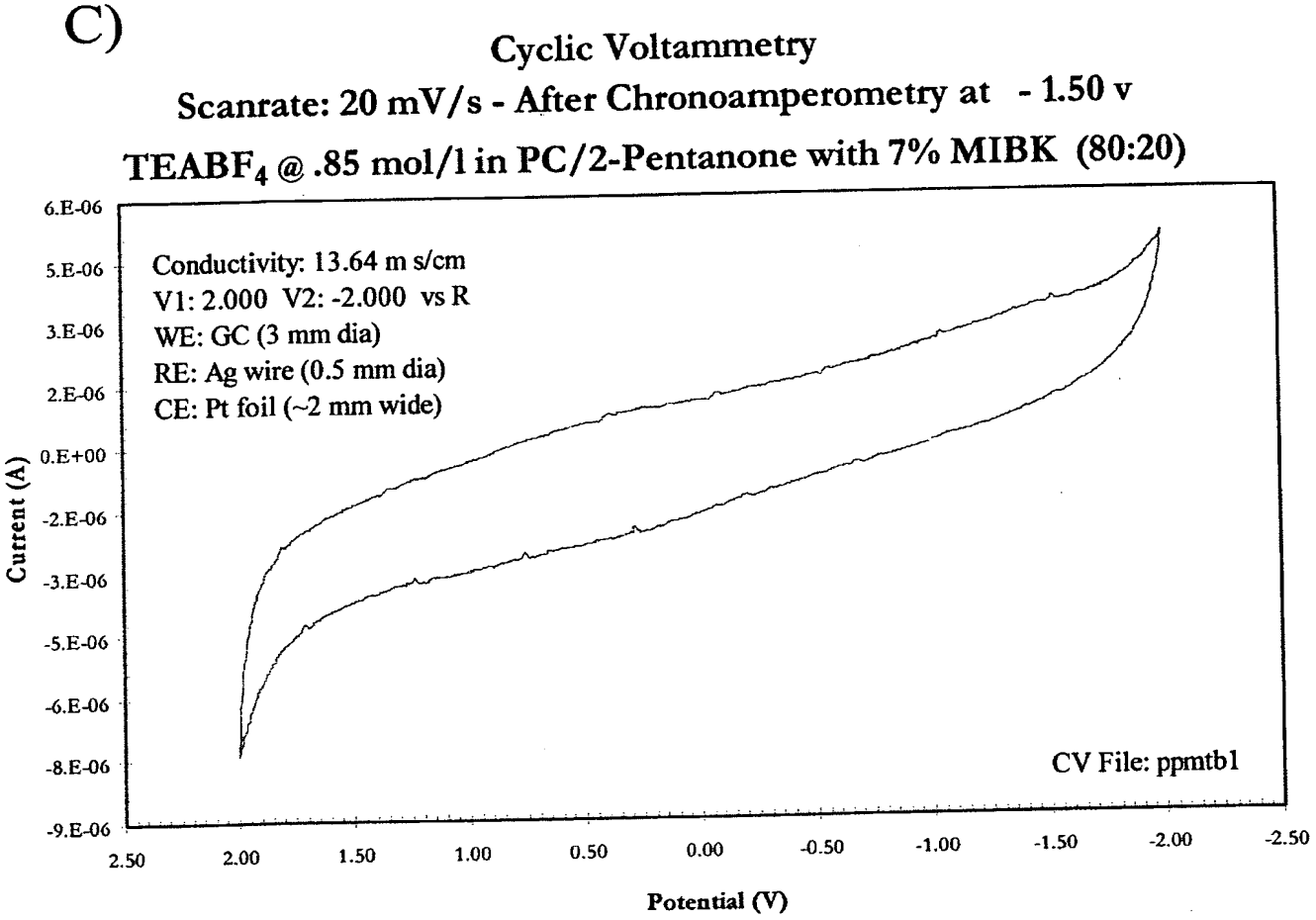

Cyclic Voltammetry
Scanrate: 20 mV/s - After Chronoamperometry at - 1.50 v
TEABF4 @ .85 mol/l in PC/2-Pentanone (80:20)
Conductivity: 13.54 m s/cm
V1: 2.003 V2: -1.997 vs R
WE: GC (3 mm dia)
RE: Ag wire (0.5 mm dia)
CE: Pt foil (~2 mm wide)
CV File: pcpteb3
Current (A)
6.E-06
5.E-06
3.E-06
2.E-06
0.E+00
-2.E-06
-3.E-06
-5.E-06
-6.E-06
-8.E-06
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
Potential (V)

Figure 17

C)


Cyclic Voltammetry
Scanrate: 20 mV/s - After Chronoamperometry at - 1.50 v
TEABF4 @ .85 mol/l in PC/2-Pentanone with 7% MIBK (80:20)
Conductivity: 13.64 m s/cm
V1: 2.000 V2: -2.000 vs R
WE: GC (3 mm dia)
RE: Ag wire (0.5 mm dia)
CE: Pt foil (~2 mm wide)
CV File: ppmtb1
Current (A)
6.E-06
5.E-06
3.E-06
2.E-06
0.E+00
-2.E-06
-3.E-06
-5.E-06
-6.E-06
-8.E-06
-9.E-06
2.50
2.00
1.50
1.00
0.50
0.00
-0.50
-1.00
-1.50
-2.00
-2.50
Potential (V)